



KE-30KD5H3UN

- Enhanced insulation resistance testing technology
- Compatible with Virtual Power Plant (VPP) Technology
- Support higher charge-discharge current
- Support diesel generator connection
- MPPT tracking efficiency up to 99%
- Support 150V low voltage
- AFCI & RSD



High-Voltage Three-Phase Hybrid Inverter Technical Data

Model	KE-30KD5H3UN
PV Input Data	
Max.Connected Photovoltaic Power (W)	60000
Max. PV Input Voltage(V)	1000
Start-up Voltage(V)	180
MPPT Voltage Range(V)	150-850
Rated PV Input Voltage(V)	600
Max.Operating PV Input Current(A)	40
Max.Input Short-Circuit Current(A)	65
No.of MPP Trackers	3
No.of Strings MPP Tracker	2/2/2/2
Battery Input Data	
Battery Type	Lithium Iron Phosphate Battery
Rated Battery Voltage (V)	150~800
Max.Charge/Discharge Current (A)	70*2
AC Output Data	
Rated AC Output Active Power (W)	30000
Max.AC Output Apparent Power(VA)	33000
Rated AC Output Current(A)	83.4
Max.AC Output Current(A)	91.7
Maximum bypass current (V)	
Rated Output Voltage(V)	208V / 220V / 240V; 3L/N/PE
Rated Input/Output Grid Frequency/Range(Hz)	50/60,+/-5
Power Factor Adjustment Range	1(-0.8~0.8)
Off-grid Output Parameters	
Rated Output Power (W)	30000
Max.Output Power(W)	1.6 Times Of Rated Power, 10s
Rated Output Current (A)	83.4
Rated Output Voltage(V)	208V / 220V / 240V; 3L/N/PE
Rated Input/Output Grid Frequency/Range(Hz)	50/60,+/-5
Power Factor Adjustment Range	1(-0.8~0.8)
Parallel Operation	Supported, up to 10 units
Switching time (ms)	<10
Total Voltage Harmonic Distortion Rate (THDv) [%](Linear load)	<3%(Rated power)
Efficiency	
Max.Efficiency	97.8%
Euro Efficiency	97.0%
MPPT Efficiency	99%
Max.Efficiency (Battery to AC)	97.6%
Max.Efficiency (PV to Battery)	98.1%
Dimensions(HxWxD)	580x530x270mm
Equipment Protection	
DC/Battery Reverse Connection Protection	Integrated
Insulation Impedance Monitoring	Integrated
DC/AC Lightning Protection	Integrated
AC Overcurrent/Short-circuit Protection	Integrated
Ground Fault Monitoring	Integrated
Power Network Monitoring	Integrated
String Monitoring	Integrated
Island Protection Monitoring	Integrated
DC/AC Overvoltage	OVCII(DC),OVCI(AC)
AFCI(Arc Fault Circuit Interrupter)	Optional
RSD GateWay	Optional
Ingress Protection (IP) Rating	IP66

